



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 25]

नई दिल्ली, शनिवार, जून 19, 1993 (ज्येष्ठ 29, 1915)

No. 25]

NEW DELHI, SATURDAY, JUNE 19, 1993 (JYAISTHA 29, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
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PATENTS AND DESIGNS

Calcutta, the 19th June 1993

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234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

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## पेटेंट कार्यालय

## एकस्थ तथा अभिकल्प

कलकत्ता, दिनांक 18 जून 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी हस्टेट,  
तीसरा तल, लोअर परले (पश्चिम),  
मम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गाँवा, धमन तथा  
दीव एवं दावरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
परवर्ती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हिमाचल प्रदेश, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
61, बालाजाह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, नक्षत्राक्षेत्र,  
मिन्निकाय तथा एमिनिगिदिवि द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलंस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंटॉफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा बैंक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

ALTERATION OF DATE UNDER SECTION 16  
172350

(153/Cal/91) ANTIDATED TO 29-03-88.

Calcutta, the 19th June 1993

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates  
claimed under section 135, of the patents act, 1970.

12th May 1993

268/Cal/93. Eaton Corporation. Heat sink Mounting system for semiconductor devices.

13th May 1993

269/Cal/93. Metallgesellschaft Aktiengesellschaft. Process of producing beer.

270/Cal/93. Metallgesellschaft Aktiengesellschaft. Process of producing non-Alcoholic beer.

271/Cal/93. General Electric Company. Method for Wet Chemical Surface-modification of formed polysiloxane products and coated substrates.

272/Cal/93. PPV-Verwaltungs-AG. Burner.

273/Cal/93. Stockham Valve Australia Ptd. Check Valve and clip therefor. Devised out of no. 761/Cal/89: antedated to 18th September 1989).

APPLICATIONS FOR PATENTS FILED IN THE PATENT  
OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR,  
SUN MILL COMPOUND, LOWER PAREL (W),  
BOMBAY-13

6-4-1993

95/BOM/93. Lotus Polymers Pvt. Ltd. An cable joint protection shell.

96/BOM/93. Zucker Gasification & Cogeneration Ltd. Process and the plant to gasify sugarcane fibre.

97/BOM/93. Mrs. Divyaben Karsanbhai Dholaria & others. A modified air cooling device for ceiling fans.

98/BOM/93. Krishna Rao Chandra Sekarap. A method and an apparatus (Protective Cover) for preventing the accidents caused due to spreading of leak gas released from the LPG Cylinder and also the apparatus protecting the cylinder against exposure to Heat.

8-4-1993

99/BOM/93. Hindustan Lever Ltd. Aluminosilicates.

12-4-1993

100/BOM/93. Vasanji Shah & Others. Ultramarine blue in liquid form and is used for the original whitening of cloths.

101/BOM/93. Gopal Chhabaldas Mankani & Others. Heavy duty wire pointing machine.

13-4-1993

102/BOM/93. Milind Dinkar Kelkar. An improved beading and curling mechanism for the re-entrant profiles.

103/BOM/93. Milind Dinkar Kelkar. Wide buff polishing machine.

104/BOM/93. Geev Keki Panthaki. Collapsible tent.

15-4-1993

105/BOM/93. K. Mallikarjun. Live & Continuity tester.

106/BOM/93. Hindustan Lever Ltd. U.K. Priority dated 15-4-92. Cosmetic Composition.

## COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month apply for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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## स्वीकृत सम्पूर्ण विनिर्देश

एाद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अन्वेष हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपर्युक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र वावहार द्वारा सगिच्छता करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत

विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजी को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकल्पन किया जा सकता है।

Ind. Cl.: 107 B.

172331

Int. Cl.4: F02B 29/00.

DEVICE FOR SELECTIVELY PURGING FLUID FROM A CYLINDER OF AN ENGINE.

Applicant: ALLIED CORPORATION OF COLUMBIA ROAD AND PARK AVENUE MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY 07960, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK.

Inventors: PAUL DESMOND DALY, MARK ALLEN BROOKS & ROBERT EDWARD FALLIS.

Application for Patent No. 174 DEL 88 filed on 08 Mar 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

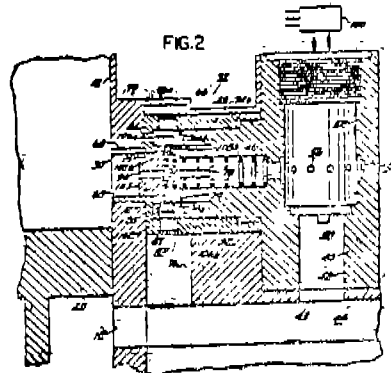
## 8 Claims

1. A device for selectively purging fluid from a cylinder (12) of an engine, the device being connectable to a scavenge port of an engine cylinder located at the position of a piston (20) in the cylinder during combustion of an air/fuel mixture whereat the piston covers the scavenge port, the purging device comprising:

passage means (46, 48, 50, 42) connectable to said scavenge port (30) of said engine cylinder, said passage means having at least one aperture (76)

a piston (80) slidable within said passage means and movable relative to said at least one aperture in response to a force differential, said piston having a first passage (96) through a portion (94) thereof; said piston (80) cooperating with said passage means to define a variable volume chamber (74) at a downstream side of said piston (80);

control means (54, 100) connected to housing means for said passage means and operable in relation to the motion of an engine cylinder piston (20), said control means controlling the pressure within said chamber (74) whereby in one mode an unbalanced force differential is created to urge the piston (80) in a first direction to permit fluid in the cylinder to be purged therefrom in response to the motion of the engine cylinder piston, through said at least one aperture (76) and in a second mode a force balanced condition is created to urge the piston (80) in an opposite, second direction, terminating communication through said at least one aperture.



(Comp. Specn. 18 pages;

Drwg 1 sheet)

172332

**Int. Cl.<sup>4</sup>: G06F 15/00.**

## COMPUTER SYSTEM.

Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors: CHESTER ASBURY HEATH & JORGE  
EDUARDO LENTA.

Application for Patent No. 178/DEL/88 filed on 09 Mar 1988.

Convention date 10 Dec 1987/8728927/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

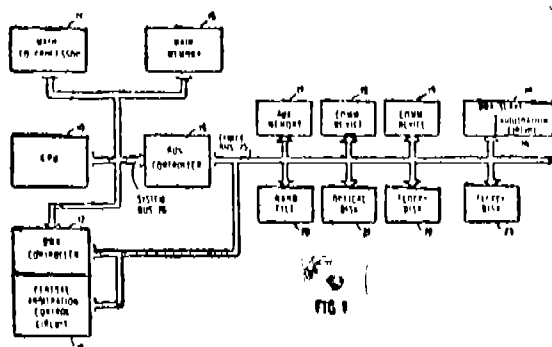
#### 4 Claims

A computer system having arbitration bus means (25) and means (12) for providing DMA channels for a plurality of peripheral devices (17 to 24) each of which is connectable to said arbitration bus means and comprises means (28, 72) for requesting DMA access by placing on said arbitration bus means a channel priority assignment value for the respective peripheral device, said computer system further comprising:

means (40, 41, 49) for storing first and second sets of DMA channel assignment values, said DMA channel assignment values being fewer in number than the number of said peripheral devices and being equal in number to the number of DMA channels provided in said computer system, said first set of said DMA channel assignment values being fixed and corresponding to fixed predetermined ones of said channel priority assignment values, said second set DMA assignment values being programmable and allocatable among the remainder ones of said channel priority assignment values;

means (42, 43) connected to said arbitration bus means and said storing means, for comparing the highest channel priority assignment value received on said arbitration bus means with said set of stored DMA channel assignment values: and

means (51, 52) connected to said comparing means and connectable to said peripheral devices, for granting DMA access to one of said peripheral devices having the highest channel priority assignment value which is found by said comparing means to be equal to one of said DMA channel assignment values of said first and second sets.



(Compl. specn. 13 pages;

Drgs. 5 sheets)

Ind. Cl. : 39 0 [III]

172333

Int. Cl.<sup>4</sup>: C 01 F 7/00 B 01 J 20/16.

# PROCESS FOR THE PREPARATION OF A NOVEL CRYSTALLINE ALUMINOSILICATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : ARVIND NARAYAN KOTASTHANE,  
ASHA JEEVAN CHANDAWADKAR and PAUL  
RATNASAMY.

Application for Patent No. 182/Del/88 filed on 10 March 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 4 Claims

A process for the preparation of a novel crystalline aluminosilicate having a composition in the anhydrous form in terms of mole ratio of oxides of formula :



wherein M is a mixture of monovalent cation consisting of alkali metal, ammonium and hydrogen and R is alkylammonium cation derived preferably from a tetraalkyl ammonium salt the crystalline aluminosilicate being characterized in that, its x-ray powder diffraction pattern includes, inter-alia, the reflections given in Table 1 and its infrared absorption spectra includes, inter-alia, the absorption in Table 2 comprising forming a gel by reacting an aqueous solution of aluminium, silicon and an alkali metal with a tetraalkyl ammonium salt of formula  $R_4NZ$  wherein R is an alkyl group containing 1-2 carbon atoms and Z is chloride, bromide or iodide, heating the resultant gel at 150-200°C for 5-20 days, in an autoclave, quenching at room temperature filtering, washing, drying and calcining the resultant to yield a silicate having predominantly alkali as the monovalent cation, subjecting the resultant product to ion exchange with an ammonium salt to yield a silicate having predominantly ammonium as the monovalent cation, subjecting the resultant product to calcination to a temperature above 400°C to yield said crystalline alumina silicate having predominantly hydrogen.

(Complete specification 18 pages.)

Ind. Cl. : 92 C

172334

Int. Cl. : AOIF 5/00.

A MACHINE FOR SHELLING OR DECORATING  
GROUND NUTS.

**Applicant : BALVANT WAMAN DESHPANDE, AN  
INDIAN NATIONAL OF S-446, GREATER KAILASH,  
PART-I, NEW DELHI-110048.**

**Inventor : BALVANT WAMAN DESHPANDE.**

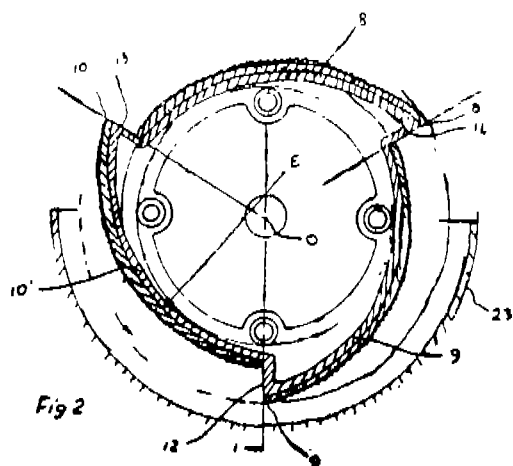
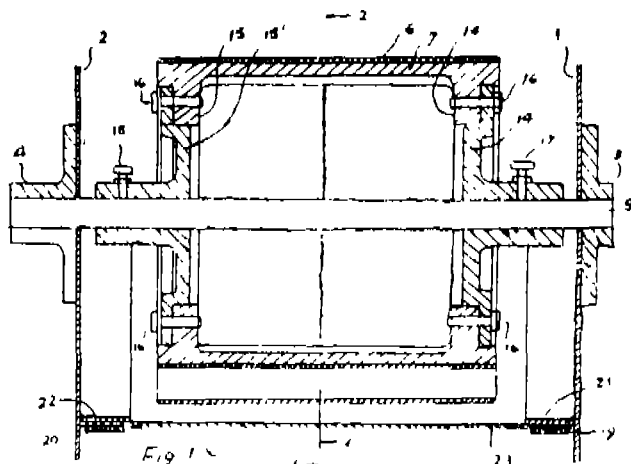
Application for Patent No. 184/Del/88 filed on 10-3-1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 9 Claims

A machine for shelling or decorticating ground nuts comprising a rotor (i) secured to a rotatable coaxial shaft and having equally spaced plurality of lobes (8, 9, 10) which have part cylindrical walls and are eccentric to the axis of said shaft and sheets of a resilient material having

outer roughened surfaces fixed on the outer surfaces of the lobes.



(Compl. specn. 9 pages

Drg. 1 sheet)

Ind. Cl. : 32 E

172335

Int. Cl. : C08F 14/06, 114/06, 214/06.

A PROCESS FOR THE PREPARATION OF VINYL CHLORIDE HOMU-AND COPOLYMERS IN THE FORM OF A LATEX CONTAINING MONO-DISPERSE PARTICLES.

Applicant : ATOCHEM, OF 4 & 8, COURS MICHELET, LA DEFENSE 10, 92800 PUTEAUX, FRANCE, A FRENCH COMPANY.

Inventors : JACQUES GROSSELEIL  
PATRICK KAPPLER.  
NICOLAS KRANTZ.

Application for Patent No. 192/Del/1988 filed on 11-03-1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 9 Claims

A process for the preparation of vinyl chloride homo- and copolymers in the form of a latex containing mono-disperse particles, and more particularly of a latex containing coarse particles, by polymerization of the corresponding monomer(s) in aqueous emulsion carried out in the absence of surface-active agent and in the presence of at least 0.2% and preferably from 0.3 to 1%, by

weight relative to the monomer(s), of at least one water-soluble initiator chosen from the group consisting of alkali metal persulphates and ammonium persulphate, characterised in that said polymerization is also carried out in the presence of at least one water-soluble auxiliary compound such as herein described, which is a solvent for vinyl chloride, such that the solubility of vinyl chloride in the aqueous phase at 25°C at atmospheric pressure is at least 1.5 g/l.

(Compl. specn. 25 pages

Drg. Nil)

Ind. Cl. : 128 K

172336

Int. Cl. : A 61 B 19/00.

A MEDICAL DEVICE FOR USE IN REGENERATING A SEVERED NERVE.

Applicant : PFIZER HOSPITAL PRODUCTS GROUP, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

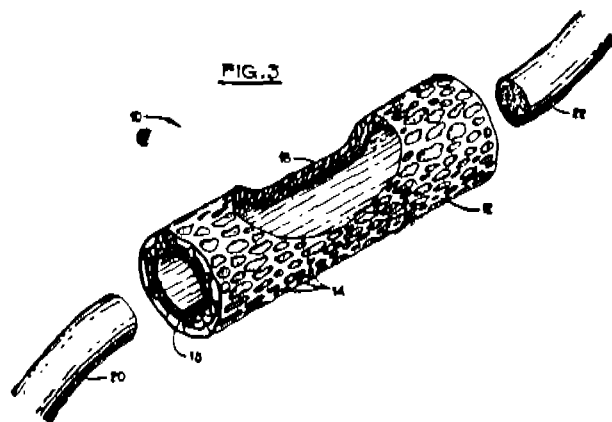
Inventors : ROBERT FRANCOIS VALENTINI  
PATRICK AEBISCHEH  
PIERRE MARIE GALLETTI.

Application for Patent No. 194/Del/1988 filed on 14-03-1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 11 Claims

A medical device for use in regenerating a severed nerve, the device comprising a tubular semipermeable membrane having openings adapted to receive the ends of a severed nerve, characterized by at least one longitudinally-oriented trabecula within the membrane, a porous outer membrane surface which permits capillary in growth into said trabecula, and a smooth, semipermeable inner membrane surface, wherein the tubular membrane device provides a protective guidance channel for the regeneration of said nerve threrethrough.



(Compl. specn. 14 pages

Drgs. 2 sheets)

Ind. Cl. : 40 B F

172337

Int. Cl. : C 30 9/00.

APPARATUS FOR GROWING HOLLOW CRYSTALLINE BODIES AND A METHOD FOR GROWING SAID HOLLOW CRYSTALLINE BODIES.

Applicant : MOBIL SOLAR ENERGY CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PRINCIPAL PLACE OF BUSINESS AT MIDDLESEX TECHNOLOGY CENTER, 4 SUBURBAN PARK DRIVE, BILLERICA, MASSACHUSETTS 01821, UNITED STATES OF AMERICA.

Inventor : DAVID STIMSON HARVEY.

Application for Patent No. 195/Del/1988 filed on 14-03-1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

### 22 Claims

Apparatus for use in a system for growing hollow crystalline bodies of a pre-selected cross-sectional shape from a source material such as herein described according to the EFG process, said apparatus comprising:

- a crucible-die assembly, said crucible-die assembly comprising means defining a crucible for containing a supply of liquid source material such as herein described, means in communication with said crucible defining a growth face which supports a film of source material for contact by a seed crystal for use in crystal growth, and means including at least one capillary passage for supplying liquid source material from said crucible to said growth face so as to sustain said liquid film of source material by capillary action, said growth face when viewed in plan view having an edge of annular configuration bifurcated into an interior and an exterior edge portions, whereby a hollow tubular body is grown from a liquid film of said source material on said growth face;
- support means for supporting said crucible-die assembly;
- first port means associated with said support means for defining a first gas inlet port; and
- first passage means connected to said first port means for directing gases introduced into said first port means to the region adjacent one of said interior or exterior edge portions of said growth face, at least part of said first passage means forming part of said crucible.

A method of growing a hollow crystalline bodies of a selected cross-sectional shape from a melt according to the EFG process as claimed in claim 1, wherein the growth face of the crystalline body when viewed in plan view has an edge of annular configuration bifurcated into an interior edge and an exterior edge portions, the improvement comprising:

- passing gases over the exterior edge of said growth face; and
- passing gases over the interior edge of said growth face, whereby the atmosphere along the exterior and interior edge portions of said growth face are separately controlled and significant improvements in crystal quality are obtained.

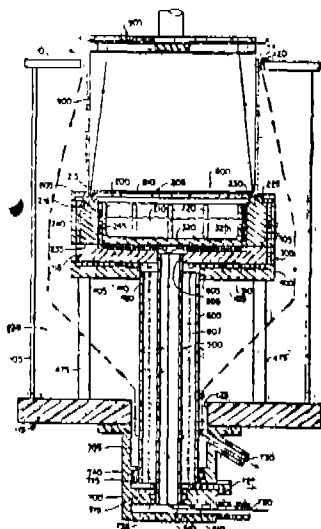


FIG. 1

(Compl. specn. 28 pages)

Drgs. 3 sheets)

Ind. Cl. : 55 B

172338

Int. Cl. : C 08 L 95/00, C 10 C 3/00.

BINDER PITCH FOR ELECTRODES AND PROCESS FOR THE MANUFACTURE THEREOF.

Applicant : NORSOLOR, TOUR AURORE, PLACE DES REFLÈTS, F-92080 PARIS LA DEFENSE-CEDEX 5 (FRANCE) A FRENCH COMPANY.

Inventors : DENIS COTTINET,  
SERGE BUCHE,  
PIERRE COUDERC, and  
JEAN LOUIS SAINT ROMAIN.

Application for Patent No. 202/Del/88 filed on 16 March 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

### 12 Claims

Binder pitch for an electrode having a C.I.A. softening point of between 80°C and 150°C and a glass transition range  $\Delta TG$  higher than or equal to 10°C but less than or equal to 50°C preferably less than or equal to 40°C comprising a content of quinoline-insoluble substances ( $\alpha$ -resins) higher than or equal to 4% by weight but less than or equal to 15% by weight, a content of  $\alpha$  &  $\beta$  resins of between 28 and 40% by weight and a fixed carbon content of at least 51% by weight.

(Complete specifications 15 pages).

Ind. Cl. : 116 D

172339

Int. Cl. : B 66 D 1/62.

BUCKET HAVING DRAG, HOIST AND DUMP LINES.

Applicant : ESCO CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OREGON, UNITED STATES OF AMERICA, OF 2141 N.W. 25TH AVENUE, PORTLAND, OREGON 97210, UNITED STATES OF AMERICA.

Inventor : TERRY LEE BRISCOE.

Application for Patent No. 209/Del/88 filed on 16 March 1988.

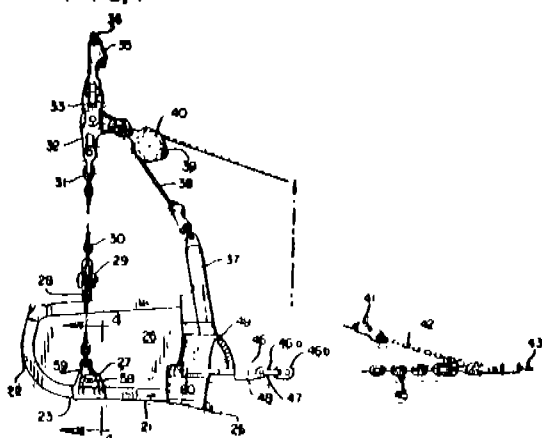
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

### 7 Claims

A bucket having drag, hoist and dump lines connected thereto comprising a unitary body having side (26), rear (22) and bottom (21) walls, said bottom wall (21) terminating in a forward lip equipped with excavating teeth (24) constituting the bucket tip (25), said bottom wall (21) adjacent said rear wall (22) being contoured to form a heel (23), said tip (25) and heel (23) providing the contact areas for supporting the bucket in a static condition, each of said sidewalls (26) at the forward end thereof being equipped with a hitch (49) providing a horizontal pivot axis (47) for a drag chain (45) connected to said bucket; wherein the heel weight is 50 to 60% of the bucket weight; and wherein the center of gravity (50) of said bucket is located such that a plane connecting said center of gravity (50) and said tip (25) (a) makes an angle ( $\theta$ ) of at least 90° with a plane from said tip (25) to said horizontal pivot axis, and (b) makes an angle ( $\phi$ )

of from 25° to 30° with a plane from said tip to said heel.

FIG. 1



(Compl. specn. 19 pages)

Drgs. 4 sheets)

Ind. Cl: 106 [XLVII(2)]

172340

Int. Cl: F048 5/00.

#### AUTOMATIC TWO-CHAMBER INJECTOR.

Applicant: ASTRA MEDITEC AB, of Box 14, S-431 21 Molndal, Sweden, a Swedish body corporate.

Inventors: KARL-AXEL HOOK,  
NILS NILLY NILSON and  
KJELL INGEMAR WELLENSTAM.

Application for Patent No.: 221/DEL/88 filed on 18th March, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 11 Claims

An automatic two-chamber injector comprising a barrel (11) having a first end with a receiving portion (15) for an injection needle (17), said receiving portion (15) being sealed prior to use, a second end with a slidable plunger (27), a first and a second chambers (29, 30) separated by a migration proof membrane (28), said first chamber (29) being provided with a slidable plunger (27) and the membrane (28) and said second chamber (30) being provided with a receiving portion (15) and the membrane (28), said membrane being caused to rupture by means of a relative sliding movement between said barrel (11) and said plunger (27), characterised in that a front cover (20) is provided for enclosing and interacting with the barrel (11), said front cover (20) being rotatable in one direction of rotation on the barrel (11) from a first position (B), in which position of the said front cover (20) the said first and second chambers (29, 30) are separated by the said membrane to a second position (D), said rotation of the front cover (20) between the first and second position causes the relative sliding movement between the barrel (11) and the plunger (27) by means of at least one oblique slide-way (45) interacting with a sliding lug (12) on the respective interacting parts.

(Compl. specn. 17 pages)

Drgs. 6 sheets)

Cl. 34BD.

172341.

Int. Cl: D01F 6/58, 6/60, 1/04, 1/06.

#### PROCESS FOR THE PREPARATION OF HIGH MODULUS PARAMID FIBERS.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY, of Wilmington Delaware United States of America.

Inventor: KIU-SEUNG LEE.

Application No. 490/Cal/88; filed on 16th June, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A process for preparation of high strength, high modulus paramid fibres comprising the steps of:

(a) agitating a mixture of:

- (i) sulfuric acid having a concentration of at least 98%;
  - (ii) paramid polymer having an inherent viscosity of at least 4 in an amount which is at least 18 weight percent of the mixture; and
  - (iii) completely organic, sulfuric acid soluble, pigment in an amount which is from 0.01 to 6 weight percent based on the paramid polymer;
- (b) heating the mixture with continued agitation to a temperature of 80 to 105 C to form a uniform solution;
  - (c) extruding the solution through a spinneret;
  - (d) passing the extruded solution through a non-coagulating fluid layer 0.5 to 2.5 centimetres thick such that the spin stretch factor is 3 to 10;
  - (e) passing the stretched solution into and through an aqueous coagulating bath having a temperature of -5 to 25 C to form filaments; and
  - (f) washing the filaments with water and/or dilute aqueous alkali.

(Compl. specn. 18 pages)

Drgs. 7 sheets)

Cl.: 89

172342.

Int. Cl.: G01D 5/34.

#### "OPTICAL ENCODER"

Applicant: MITUTOYO CORPORATION 31-19, Shiba 5-Chome, Minato-Ku, Tokyo 108, Japan.

Inventors: (1) SOUJI ICHIKAWA, (2) HIDEKI OKA,  
(3) NAOYOSHI TERAOKA, (4) SEIJI SAKAGAMI.

Application No. 56/Cal/89; filed on 18th January, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims

An optical encoder comprising:

a coherent diffusive light source having an effective wave length;

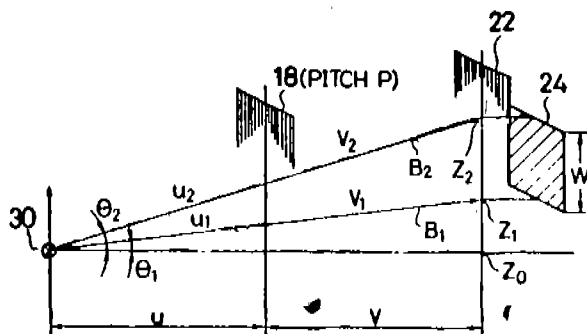
a main scale provided at a position spaced apart  $u$  from the diffusive light source and formed with a first grating of a pitch  $P$ ;

an index scale provided at a position spaced apart  $v$  from the first grating and formed with a second grating; and a light-receiving element for photo electrically transducing a light emitted from the diffusive light source and filtered through the first and second gratings wherein a detection signal periodically variable in accordance with a relative displacement between the main scale and the index scale is produced,

the light receiving element in a widthwise direction of the scales being set at a size capable of receiving two rays  $B_1$  and  $B_2$  which satisfy the relationship between the following equations in order for the light receiving element to be able to simultaneously receive a component of cycles of fluctuations:

$$\begin{aligned} & \{U_2 V_2 / (U_2 + V_2)\} \\ & - \{U_1 V_1 / (U_1 + V_1)\} \div \pi p^2 / \\ & W \div n \quad \{(U_2 + V_2) \sin \theta_2 \\ & - (U_1 + V_1) \sin \theta_1\} \end{aligned}$$

where  $m$  and  $n$  are integers,  $u_1$  and  $u_2$  are lengths of light paths of the rays between the diffusive light source and the first grating,  $v_1$  and  $v_2$  are lengths of light paths of the rays between the first and second gratings,  $W$  is a center interval between the rays on the second grating,  $\theta_1$  and  $\theta_2$  are angles made by a perpendicular line drawn from the diffusive light source to the gratings with the rays.



(Compl. specn. 32 pages)

(Drgs. 11 sheets)

Cl. : 105-A

172343.

Int. Cl. : G09D 3/00.

**"PERPETUAL YEARLY/MONTHLY CALENDARS"**

Applicant & Inventor : RALPH HABER HOYECK, of 80 Somerville Ave., Westmount P.Q., H 3Z 1J5, Canada,

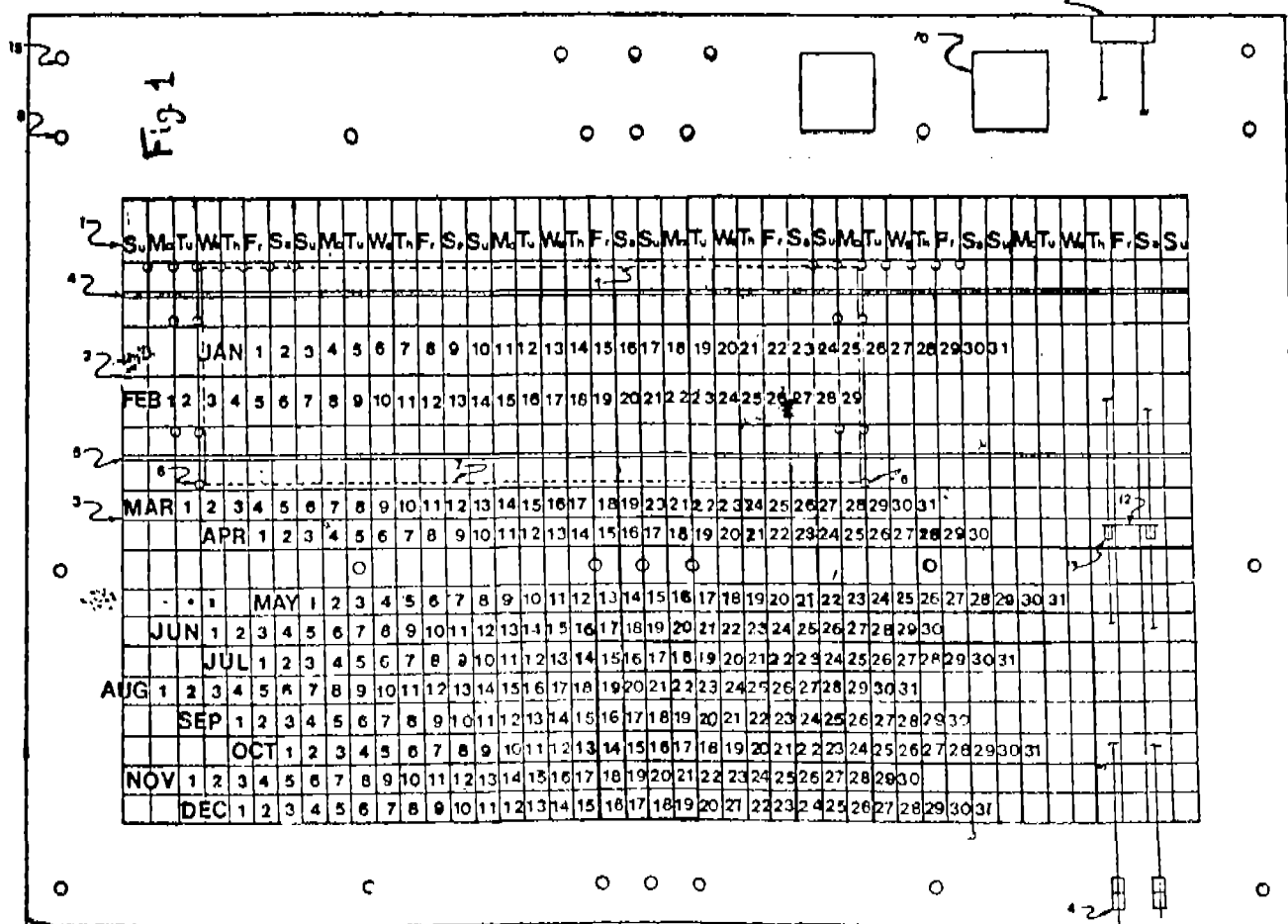
Application No. 149/Cal/89; filed on 20th February, 1989.

(Convention No. 564, 569; dated 20-4-1988; Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**10 Claims**

A perpetual yearly calendar comprising a first part and a second part, said first part and said second part are parallel to each other, said first part and said second part are movable with respect to one another, said first part and said second part are sub-divided into equal and alignable divisions, said first part comprising an elongated strip having a plurality of equidistant transversal lines, disposed on the said strip, defining equal transversal first divisions, carrying identifications of consecutive weekdays, the number of said consecutive weekdays is equal at least to the number of days in the longest month in a given calendar system plus twelve, occupying an equal number of the said first divisions, said second part having a surface area containing inscriptions thereon, said second part comprising a grid having a plurality of equidistant vertical lines, spaced by the same spacing as the said transversal lines, and equidistant horizontal lines, intersecting one another to define second equal divisions, corresponding to and alignable with the said & first divisions distributed into twelve rows, representing the twelve months of the year and a number of columns equal to at least the number of days in the longest month in a given calendar system plus six, each row carrying numerals in consecutive order, representative of the number of days in a given month, occupying an equal number of the said second divisions, the twelve months of the year are positioned on the said grid in their constant relation with each other, with respect to the weekdays' sequences, i.e. the first numeral of each of the twelve rows, appearing in a division of a given column, which corresponds to its constant position with respect to the other first numerals as determined by the weekdays' sequences when changing from one month to the next one, resulting in a twelve months' table, so constructed and arranged, that by aligning any date shown on the twelve months' table, with its corresponding weekday shown on the said flexible strip, the remaining 364 days of the year shown on the twelve months' table, would be automatically aligned with their corresponding weekdays shown on the said flexible strip.



(Compl. specn. 23 pages)

(Drgs. 8 sheets)



CL: 186 E

172344

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Int. Cl.: H 04 N 5/00, 7/00.

A SYSTEM FOR TRANSMITTING AND RECEIVING  
AN INFORMATION SIGNAL.

Applicant: ZENITH ELECTRONICS CORPORATION,  
AT ZENITH CENTER, 1000 MILWAUKEE AVENUE,  
GLENVIEW, ILLINOIS 60025, UNITED STATES OF  
AMERICA.

Inventor: (1) RICHARD W. CITTA, and (2) RONALD B. LEE.

Application No. 251/Cal/89; filed on 3rd April 1989.

## 18 Claims

A system for transmitting and receiving an information signal, comprising: means for developing an encoded signal comprising an analog signal comprising a first band of frequency components of said information signal and a digital signal representing a second band of frequency components of said information signal, means for transmitting said encoded signal; means for receiving said transmitted encoded signal and for separating the analog and digital signals; and means for combining said separated analog and digital signals.

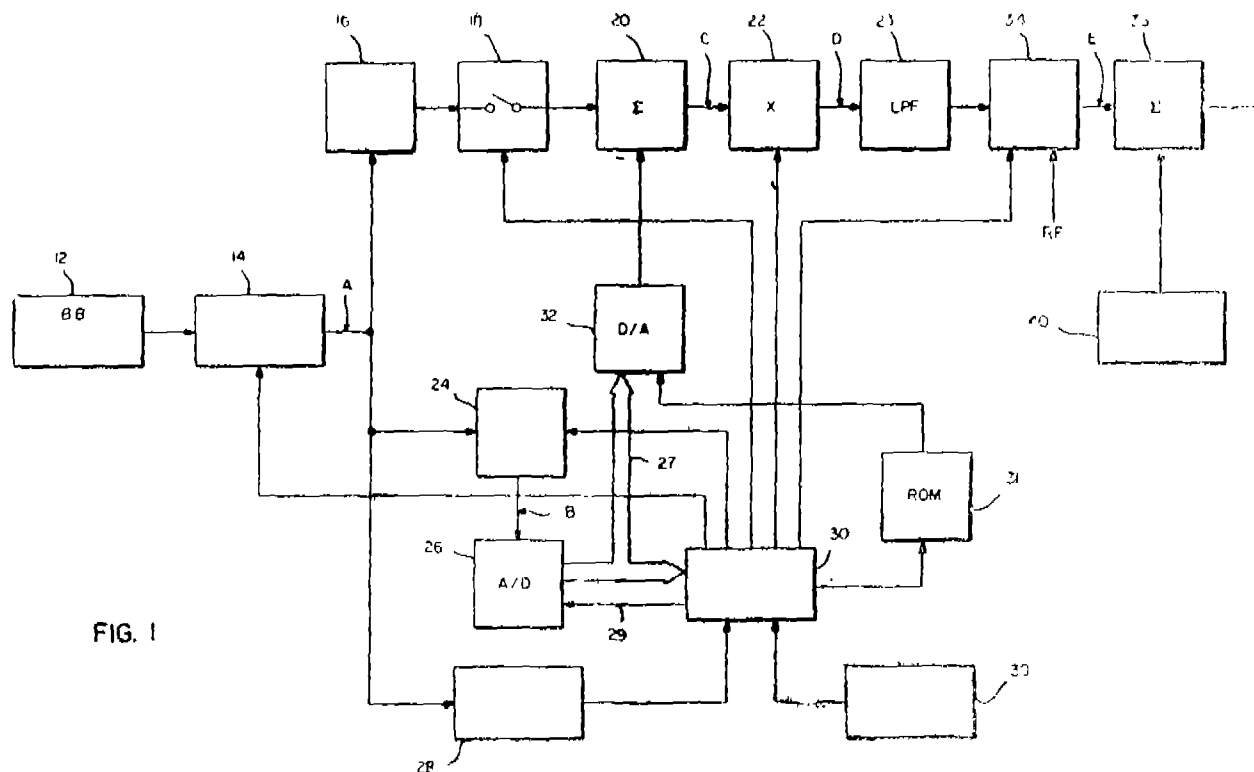


FIG. 1

(Compl. Specn. 37 pages;

Drgs. 5 sheets)

Cl.: 32 B

172345

## 9 Claims

Int. Cl.: C 07 C 15/02

## PROCESS FOR PRODUCING ALKYL BENZENE.

Applicant: LUMMUS CREST INC., OF 1515 BROAD STREET, BLOOMFIELD, NEW JERSEY, 07003 UNITED STATES OF AMERICA.

Inventor: (1) ROGER CHARLES JOHNSON, (2) DANIEL MARTIN MCCARTHY and (3) ANDREI RHOE.

Application No. 256, Cal., 89 filed on 4th April 1989.

Appropriate Office for Opposition Proceedings (Rule  
Patents Rules, 1972) Patent Office, Calcutta.  
2-117GI/93

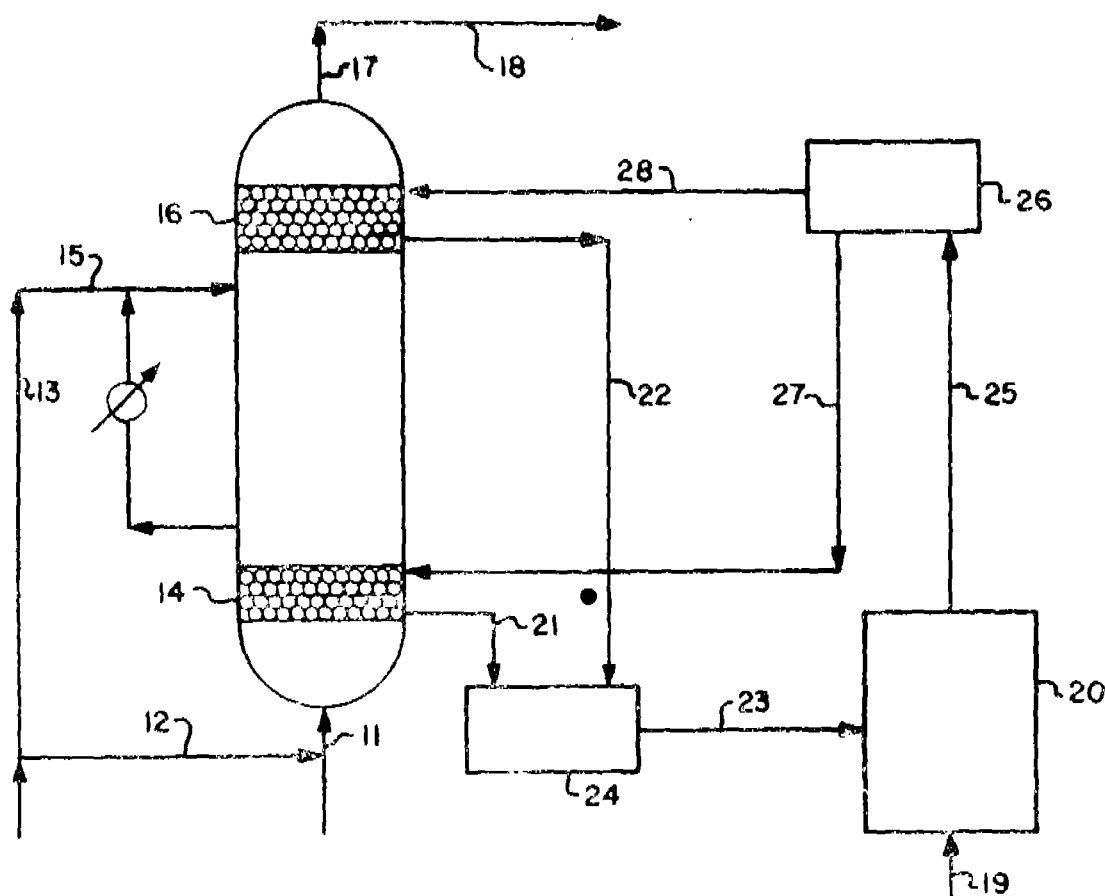
A process for producing alkylbenzene by alkylating benzene with an olefin in an alkylation reactor containing at least one bed of alkylation catalyst, comprising:

introducing a feed of benzene and olefin at a first end of said bed;

monitoring the temperature of said bed in a manner known per se to determine deactivated portions of said bed;

removing an inactive portion of said catalyst from the first end of said bed continuously or periodically in a manner such as herein described based on said monitoring of temperature of said bed; and

adding an active portion of said catalyst to a second end of said bed continuously or periodically in a manner such as herein described, said second end being an end opposite to said first end of said bed.



(Compl. Specn. 13 pages;

Drg. 1 sheet)

Cl.: 32 B

172346

Int. Cl.: C 07 B 37/06, 37/00

C 07 C 15/00, 15/107.

**PROCESS FOR THE TRANSALKYLATION OF POLY-ALKYLBENZENES.**

Applicant: LUMMUS CREST INC. OF 1515 BROAD STREET, BLOOMFIELD, NEW JERSEY 07003, UNITED STATES OF AMERICA.

Inventors: (1) GEORGE DAN SUCIU and (2) JOON TEAK KWON.

Application No. 390/Cal/89 filed on 22nd May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

**11 Claims**

An improved process for the transalkylation of a feed comprising at least one polyalkylbenzene in a reactor in the presence of a transalkylation catalyst to produce at least one monoalkylbenzene, the improvement comprising:

transalkylating said feed comprising said at least one polyalkylbenzene in the presence of hydrogen gas in the molar ratio of hydrogen to alkyl groups of from 1:10 to 1:1

(Compl. Specn. 13 pages;

Drgs. 1 sheet)

Cl.: 40 F

172347

Int. Cl.: C 10 J 5/00, B 01 J 19/00.

**DEVICE FOR DETERMINING AND CONTROLLING THE MASS FLOW OF FUEL.**

Applicant: KRUPP DOPPERS GMBH, OF ALTENDORFER STRASSE 120 D-4300 ESSEN 1, WEST GERMANY.

Inventor: (1) HANS RICHARD BAUMANN, (2) ADOLF LINKE, (3) DR. EBERHARD KUSKE and (4) HANS-REINER SCHWEIMANN.

Application No. 426/Cal/89, filed on 2nd June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

**5 Claims**

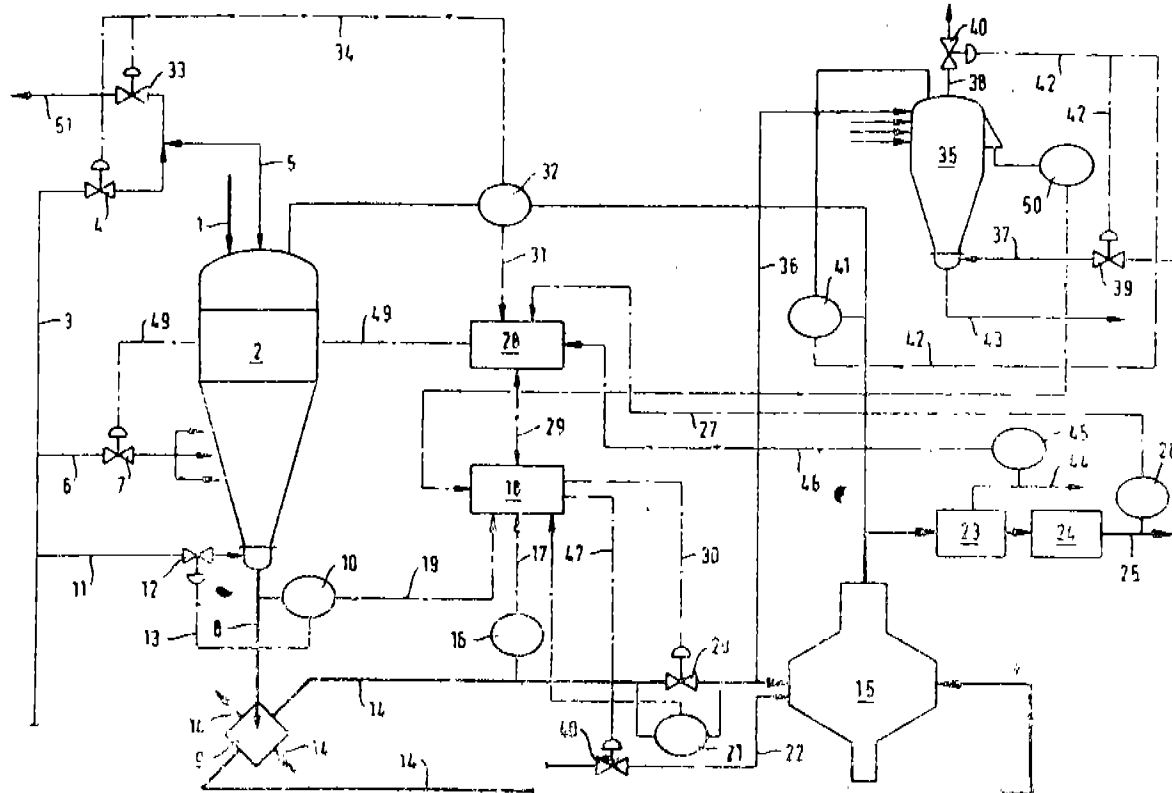
Device for determining and controlling the mass flow of fuel which, during the partial oxidation (gassification) of finegrained to pulverulent fuels, is supplied to a gasifier by at least two burners, using a radiometric density measurement of the fuel which is transported by a gaseous medium from a central distribution container to the individual burners of the gasifier, and using process computers for carrying out the required calculations, the device comprising:

(a) a single outlet line (8) connected between the outlet of the central distribution container (2) and a distributor (9) for passing fuel from the central distribution container (2) to the individual burners of the gasifier (15) through the distributor (9) and via supply line (14), means (10) for measuring the radiometric density in the outlet line (8) from the distribution container (2) to the distributor (9).

(b) means (16) for determining the mass flow of the fuel in the supply lines (14) to the individual burners as a function of the velocity measured there and of the density measured in the outlet line (8), a process computer (18) for

summing the mass flows determined by the mass flow determining means to give the total mass flow of the fuel supply from the distribution container (2) to the gasifier (15), and

(c) a graded control system (26, 28) adapted to operate as a function of the quantity of crude gas generated in the gasifier is provided for controlling the mass flow of the fuel.



(Compl. Specn. 18 pages.

Drg. 1 sheet)

Cl.: 194 C [LXIII (4)]

172348

Int. Cl.: H 01 J 29/28, 31/00.

**METHOD FOR PREPARING IMPROVED LITHIUM-SILICATE GLARE-REDUCING COATING FOR A CATHODE-RAY TUBE.**

**Applicant:** RCA LICENSING CORPORATION, OF TWO INDEPENDENCE WAY, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

**Inventors:** (1) SAMUEL BROUGHTON DEAL, AND (2) DONALD WALTER BARTCH.

Application No. 563/Cal/89, filed on 17th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A method for preparing an optical viewing screen having a glare-reducing viewing surface for cathode ray tube characterised by

(a) warming a glass support to a first temperature above room temperature,

(b) coating a surface of the warm support with an aqueous solution containing a lithium-stabilized silica sol, and drying the deposited coating.

(c) briefly exposing said surface of said support and said deposited coating to a heat source, to raise said surface and said deposited coating to a second temperature greater than said first temperature,

(d) washing the dry coating with water, and

(e) drying said coating.

(Compl. Specn. 11 pages

Drg. 1 sheet)

Cl.: 129 J

172349

Int. Cl.: B 21 B 27/02.

**A MACHINE FOR PREPARING CHEQUERED ROLL.**

**Applicant:** SUBHASH GOSAIN, OF MODERN INDUSTRIES, INDUSTRIAL AREA, ROURKELA 769004, ORISSA, INDIA.

**Inventor:** SUBHASH GOSAIN.

Application No. 569/Cal/89, filed on 17th July 1989.

Appropriate Office for Opposition Proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 15 Claims

A machine for preparing chequered roll comprising a main frame held vertically moveable between a pair of supporting blocks, said pair of blocks adapted to receive a work roll on which the desired chequered design is to be formed, one end of the roll having a key section adapted to protrude beyond one of the said pair of blocks, a gear wheel lockably held to the said one protruding end of the work roll, the gear being in operational association through a pinion rod with a first operating handle so as to enable a rotational movement of the roll by operation of the said first handle, said main frame being held spacedly above the said pair of supporting blocks, a tool carrier being held to the under surface of the said main frame, said tool carrier having a support plate and a plurality of brackets a tool carrying shaft held rotatably between said brackets and operationally associated with the drive element, said support plate being held by a block member moveably supported on the top of the main frame, said block member being threadably engaged to a threaded shaft extending along the length of the main frame and supported by suitable

brackets, said threaded shaft being operationally associated through a pinion with a second operating handle such that the said block and thereby the tool carrier assumes a lateral movement by virtue of operational the said second handle, the said main frame being engaged threadably to one or more threaded rods which are operationally associated through worm and pinion to an operating rod having a third operating handle such that by operation of the said third handle, the main frame and thereby the tool carrier and thereby the tool is provided with an up and down movement.

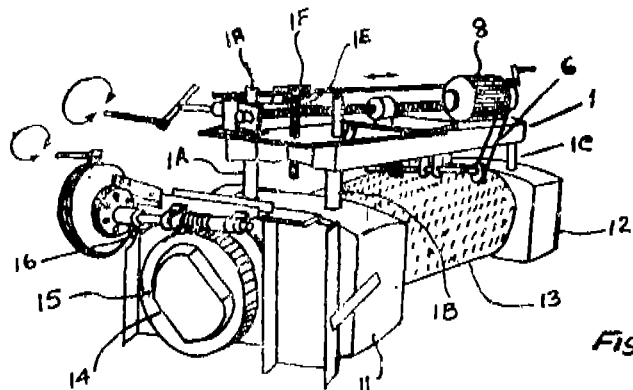


Fig. 1

(Compl. Specn. 15 pages.)

Drsgs. 2 sheets)

Cl. : 40 B, 32 F (3-C-)

172350

Int. Cl. : B 01 J 31/14

C 07 C 27/18.

#### ALKOXYLATION PROCESS USING CALCIUM BASED CATALYSTS.

Applicant: VISTA CHEMICAL COMPANY, 15990 N. BARKER'S LANDING HOUSTON, TEXAS 77224 U.S.A.

Inventors: (1) BRUE EUGENE LEACH, (2) MARK L. SHANNON, (3) DONALD L. WHARRY.

Application No. 153/Cal/91, filed on February 1991,

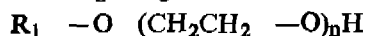
(Divided out of No. 260/Cal/88 antedated to 29-3-88).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

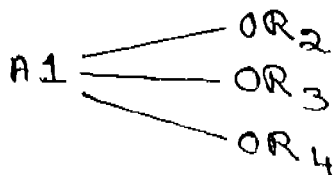
#### 11 Claims

A process for the alkoxylation of an alcohol comprising:

Forming a catalyst pre-mix by admixing an alkoxyated alcohol having the general formula.



where R is a hydrocarbon radical containing from 1 to 30 carbon atoms and n is from 1 to 20, a calcium containing compound which is at least partially dispersible in said alkoxyated alcohol, an inorganic acid, and an aluminium alkoxide having the general formula



where R, R<sub>2</sub> and R<sub>4</sub> is each a hydrocarbon radical containing from 1 to 30 carbon atoms, the mole ratio of said calcium containing compound to said aluminium alkoxide being from 1: 1 to 10: 1, calculated as calcium and aluminum, respectively and the mole ratio of said inorganic acid to said aluminum alkoxide being from 0.25: 1 to 4: 5 calculated as acidic hydrogen and aluminum, respectively, said calcium containing compound and said alkoxyated alcohol being mixed prior to addition of said aluminium alkoxide;

heating said catalyst pre-mix to a temperature and for a time sufficient to effect at least a partial exchange reaction between the alkoxide groups of said aluminum alkoxide and said hydroxyl group of said alkoxyated alcohol and thereby form an active alkoxylation catalyst; and

introducing an alcohol reactant and an alkylene oxide under alkoxylation conditions to thereby produce alkoxyated derivatives of said alcohol reactant.

(Compl. Specn. 25 pages;

Drsg. Nil)

#### CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by TOA NEKKEN CORP. LTD., HONG KONG, has been allowed under Section 20(1) of the Patents Act, 1970, in respect of P.A. No. 169874.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy:—

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160947 160948 160949 160950 160951.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that ADVANCED ELASTOMER SYSTEMS, L.P. a limited Partnership organised under the Laws of the state of Delaware, U.S.A. of 540, Marryville Center Drive, St. Louis, Missouri 63166-6735, U.A.S.

have made an application under Section 57 of the Patents Act, 1970, for amendment of Application and Specification of their application for Patent No. 172066 for "A PROCESS FOR PREPARING A SHAPED ARTICLE FROM BLEND OF RUBBER AND PLASTIC".

The amendments are by way of correction. The application for amendments and the proceed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

#### RENEWAL FEES PAID

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 162087 162150 162206 162209 162355 162359 162444 162452  
 162453 162460 162638 162647 162648 162655 162738 162781  
 162843 162852 162854 162882 162914 162916 162943 162955  
 163029 163102 163106 163219 163389 163415 163458 163487  
 163587 163617 163658 163686 163706 163811 163872 163972  
 164062 164226 164228 164320 164411 164585 164595 164653  
 164658 164754 164776 164873 164874 164880 164936 164973  
 165004 165129 165249 165254 165293 165352 165353 165375  
 165397 165436 165498 165510 165520 165621 165656 165726  
 165752 165760 165769 165856 165891 165934 165952 165956  
 165958 166004 166041 166071 166073 166144 166160 166194  
 166210 166228 166251 166302 166420 166487 166488 166512  
 166554 166582 166684 166720 166779 166784 166785 166823  
 166850 166902 166970 166976 166977 167111 167206 167297  
 167423 167424 167467 167468 167481 167515 167525 167611  
 167613 167615 167682 167683 167733 167773 167859 167953  
 167966 167977 168030 168164 168306 168525 168658 168714  
 168809 168917 169120 169126 169195 169235 169237 169247  
 169253 169257 169264 169266 169268 169271 169272 169275  
 169278 169442 169443 169448 169493 169510 169514 169517  
 169545 169579 169747 169755 169778 169779 169891 169981  
 169985 170017 170020 170052 170147 170179 170630.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156586 granted to Ion Exchange (India) Ltd., for an invention relating to "process for the regeneration of spent anion exchange resins".

The Patent ceased on the 20th October 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 12th June 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 19th August 1993 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161638 granted to Ruhrtal-Elektrizitätsgesellschaft Hartig GmbH & Co., for an invention relating to "a cut-out switch, particularly to a single column scissor cut-out switch with a main contact system and a secondary contact system".

The Patent ceased on the 15th May 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 12th June 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 19th August 1993 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166199 granted to Mrs. Krishna Das & Tughar Kanti Das, for an invention relating to "improvements in or relating to vegetal oral contraceptive."

The Patent ceased on the 8th July 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 12th June 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 19th August 1993 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166928 granted to Thirugnanasundaram Sivabramaniam, for an invention relating to "electrically operated flying model toy aeroplane."

The Patent ceased on the 13th April 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 12th June 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 19th August 1993 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 167076 granted to Westinghouse Electric Corporation, for an invention relating to "an instrument transformer."

The Patent ceased on the 10th April 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 12th June 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 19th August 1993 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF ASSIGNMENTS, LICENCE ETC. (PATENT)

Assignments, Licences or other transaction affecting the interest of the original Patentees has been registered in the following case:—

169591—BIOMASS DEVELOPMENT SA.

PATENT SEALED  
ON 21-05-93

169896 169980 170092 170149 170246\* 170350\* 170363  
 170392 170471 170472 170476 170481 170557 170645  
 171113 171262 171263 171264 171265 171266 171280.

Cal—03, Mas—12, Del—01 & Bom—05.

\*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

## CESSATION OF PATENTS

165620 165629 165631 165643 165645 165649 165650 165661  
 165670 165671 165680 165682 165687 165701 165702 165703  
 165710 165715 165716 165717 165720 165722 165723 165728  
 165733 165762 165765 165766 165768 165781 165784 165788  
 165791 165794 165808 165812 165813 165817 165829 165832  
 165850 165854 165855 165863 165865 165873 165932 165937  
 165946 165955 165984 166000 166005 166012 166025 166028  
 166054 166056 166069 166082 166087 166111 166113 166122  
 166124 166129 166137 166139 166145 166150 166167 166182  
 166230 166242 166244 166252 166270 166289 166290 166300.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration of the designs included in the entry.

Class 1. No. 164508. T. T. Limited of 78, Old Madras Road, Doorvani Nagar, Bangalore-560016, Karnataka, India, Indian Company. "Pressure Cooker Ltd." July 3, 1992.

Class 1. No. 165027. Raju Khara, Indian, of 27, Weston Street, Room No. 301, 3rd floor, Calcutta-700012, W.B., India. "Trolley for gas cylinder". November 24, 1992.

Class 1. No. 164774. Polar Fan Industries Ltd. of Poddar Point 113, Park Street, 8th floor, Calcutta-700046, W.B., India, Indian Company. "Ceiling Fan". Sept. 9, 1992.

Class 1. No. 164973. Khaitan (India) Ltd., Indian Company of 46C, J. L. Nehru Road, Calcutta-700071, W.B., India. "Table fan". November 11, 1992.

Class 1. Nos. 165510 & 165511. Sah Industrial Research Instt., Sa. 15/171, Gautam Buddha Rajpath, Sarnath, Varanasi-221007, India. "Ceiling Fan". April 12, 1993.

Class 3. Nos. 165525 & 165526. Balkrishna Tyres (a division of Balkrishna Industries Ltd.) an Indian Company of 305, Creative Industrial Estate, N. M. Joshi Marg, Bombay-400011, Maharashtra, India. "Tyre for jeeps". April 13, 1993.

Class 3. No. 165529.—do—. "Tyre for autorickshaw". April 13, 1993.

Class 3. No. 164891. G.P. Marketing, Indian Partnership firm of 57, Lohar Chawl, Bombay-400002, Maharashtra, India. "Jewellery Box". October 14, 1992.

Class 3. No. 165453. Eastern Medikit Ltd., Indian Company of 3, Dr. G.C. Narang Marg, Delhi, India. "I.V. Cannula with injection valve". March 23, 1993.

Class 3. No. 165454.—do—. I.V. Cannula for new born babies". March 23, 1993.

Class 3. No. 165455.—do—. I.V. Cannula". March 23, 1993.

Class 4. No. 164951. Amity Perfumes Pvt. Ltd. of 19/21, Gor Kalyan Bldg., 2nd floor, Bora Bazar St., Fort, Bombay-400001, Maharashtra, India. "Bottle". November 11, 1992.

R. A. ACHARYA  
 Controller General of Patents, Designs and  
 Trade Marks